

ABSTRACT OF THE DISCLOSURE

The present invention relates to a cosmetic treatment method for improving and/or protecting the human skin, scalp and/or mucous membrane, characterized in that a preparation containing at least one substance which modulates proteoglycans, more particularly lumican and/or syndecan and/or versican and/or decorin and/or glypcan and/or biglycan, is topically applied. Such substances include plant extracts of *Pisum sativum* and *Vigna aconitifolia*, mannitol, cyclodextrin, yeast extract, disodium succinate, phytosterols, triterpenes, triterpene saponins, TGF β , IL4, flavonoids, and flavonoid derivatives. The method can be applied for protecting the skin from aging and other detrimental influences of environmental pollutants and UV radiation, for boosting the functions of the dermal/epidermal junctions, and for improving wound healing.